



MAST DEVELOPMENT COMPANY

2212 E. TWELFTH ST. • DAVENPORT, IOWA 52803 • PHONE (319) 323-9729

PRICE LIST RANDOM ACCESS PROJECTORS - MAST MODEL 132

Random Access Filmstrip Projectors

All have: 100 frame capacity
300 watt, 300 hour (at 117 volts) lamp; series connected
resistor can be adjusted to increase life.
2-1/4", f/3 lens

RAP 132-S10	Basic Projector (10 base count) Use with Remote Control RAP 132-S10-C1 or C2.	\$1,140.00
RAP 132-S10Y	Basic Projector (10 base count) with relay added for "Off-On" switch on Remote Control. Use with Remote Control RAP 132-S10Y-C1 or C2.	\$1,165.00
RAP 132-S10Z	Basic Projector (10 base count) with relay added for "Actuate" button on Remote Control. Use with Remote Control RAP 132-S10Z-C1 or C2.	\$1,165.00
RAP 132-S10YZ	Basic Projector (10 base count) with relays added for "Off-On" switch and "Actuate" button on Remote Control. Use with Remote Control RAP 132-S10YZ-C1 or C2.	\$1,190.00

Remote Controls - "Digit Switch" type with 4 ft. cable (panel mount)

RAP 132-S10-C1	Basic Control	\$ 180.00
RAP 132-S10Y-C1	Basic Control with "Off-On" switch added	\$ 190.00
RAP 132-S10Z-C1	Basic Control with "Actuate" button added	\$ 190.00
RAP 132-S10YZ-C1	Basic Control with "Off-On" switch and "Actuate" button added	\$ 200.00

Remote Controls - Push button type with 4 ft. cable (panel mount)

RAP 132-S10-C2	Basic Control	\$ 355.00
RAP 132-S10Y-C2	Basic Control with "Off-On" switch added	\$ 365.00
RAP 132-S10Z-C2	Basic Control with "Actuate" button added	\$ 365.00
RAP 132-S10YZ-C2	Basic Control with "Off-On" switch and "Actuate" button added	\$ 375.00

Walnut finish Desk Cases for Remote Controls

For Controls with number designations ending with C1	\$ 30.00
For Controls with number designations ending with C2	\$ 40.00

Additional Remote Control cable length: \$1.25 per ft.

Prices: F.O.B. Davenport, Iowa
Effective November 1, 1964

Terms: Net 30 days
Delivery: 30 to 60 days

Write or telephone Mast Development Company for information on modifications of this
equipment to fulfill your special application requirements.



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MAST MODEL 132-RW RANDOM ACCESS FILMSTRIP PROJECTOR FOR RACK OR CABINET MOUNTING

View individual frames of information on a 100 frame 35mm film loop in less than 2 seconds average random access time after request. The maximum request-to-projection time from any starting position is only 3.5 seconds. Frames can be projected in forward or reverse sequence at 0.25 second intervals. The total frame storage capacity can be increased or decreased, by factory modification, for special applications.

Computer control is possible by using a "buffer" system with an octal number base version of the Projector. In conventional applications of the standard decimal base Projector, frame requests are made with a simple pushbutton or rotary switch control.

Rack or Cabinet Mounting

The Model 132-RW is built specifically for mounting in a standard 19" rack or cabinet. A sturdy frame supports all components, including the Projector, two high quality front surface mirrors that form the Z-shaped folded projection path, the 10" x 15" Polacoat rear projection screen, and the controls. The controls include frame selection, actuate, and on-off. The viewing screen and the controls are mounted in the 19" wide by 24" high by 1/8" thick steel face panel. The overall depth of the unit is 20-3/32".

Controls

The Model 132-RW is standard with rotary switch slide selection controls. Push-button switches can be supplied on a custom basis. Two ten-position switches are used. One is for units selection and the other for tens.

Operation

Entering a frame number on the manual remote control does not interrupt the slide being projected until the actuate button is pressed. Pressing the actuate button causes a low voltage circuit closure, and the frame address is conveyed through a multiple wire cable to the random access servo in the Projector. The servo motor is instructed through transistorized circuitry, to drive the film loop at 18 frames per second in forward or reverse direction to make the shorter, faster approach to the requested frame. Stop pawls in the servo position the frame in the gate. Then a pressure plate that is retracted at the beginning of the search cycle, presses the film firmly against the aperture plate. The repeat locating accuracy is ± 0.01 ".

Retracting the film gate pressure plate during the search cycle prevents film scratches. The film is further protected from scratches because the eight rollers that carry the loop contact the film outside the picture area. The film loop is driven by a single sprocket.

Lamp and Optics

A standard projection 300 watt lamp permits good lighting with long life.

The Projector is blower cooled and has a highly efficient optical condenser system with a heat filter.

A 2-1/4", f/3 lens is standard.

Film Loop

The 100 frame color or black and white film loop used with the Projector is prepared with standard 35mm filmstrip production equipment. Each frame has a 5/8" x 15/16" usable image area. The loop is formed by cementing or taping the ends of the filmstrip together when acetate base film is used. Long life polyester base film (over 100,000 projection cycles) is induction welded into a loop. Induction welding is available as a service of film production studios and laboratories.

It takes just a few seconds to change film loops on the Projector.

Summary of Specifications

Film Capacity	100 frame 35mm film closed loop.
Usable Image Area	5/8" x 15/16" frame.
Slide Request to Projection Time	0.25 second minimum and 3.5 seconds maximum.
Projection Lens	2-1/4", f/3
Screen Size	10" x 15"
Power Requirement	115 VAC, 60 cps, 360 watts.
Size	24" high by 19" wide by 20-3/32" deep.
Weight	58 lbs.

Phone or write Mast Development Company for quotations on special application modifications or custom built projector requirements or special quotations on large quantities.



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PRICE LIST

RANDOM ACCESS FILMSTRIP PROJECTOR - MODEL 132-RW

Order No.

RAP 132-RW-S10YZ

with C1A Remote Control

Random Access Filmstrip Projector,
for mounting in standard 19" rack
or cabinet. Includes:

\$1,395.00

- Projector.
- On-Off and Actuate switches and
Rotary type frame selection
switches.
- Mirror for Z-shaped folded pro-
jection path.
- 10" x 15" Polacoat rear projection
screen.

Preceding items are mounted in 20-3/32"
deep open type mounting frame, which has
a 19" wide by 24" high front panel for
viewing screen and controls.

RAP 132-RW-S10YZ

with C2 control

Random Access Filmstrip Projector for
mounting in standard 19" rack or cabi-
net. (Same as above, but with push-
button frame selection switches.)

\$1,570.00

Prices: F.O.B. Davenport, Iowa
Effective October 18, 1965

Terms: Net 30 days

Delivery: 30 to 60 days

Write or telephone Mast Development Company for information on modifications
of this equipment for special application requirements.

Prices subject to change without notice.

_____ Order being processed or will be placed about _____
_____ Require special equipment _____ (date)

_____ Sending details in separate letter

_____ Telephone me for details

_____ No further interest at this time

_____ Leave my name on mailing list

_____ Remove my name from mailing list

_____ Add _____

(Name of other interested staff member)

My telephone number is _____
_____ (area code) _____ (number)

Organization _____

Department _____

Address _____

City _____ State _____ Zip Code _____

(Your name. This card does not obligate you in any way.)

JD/REF-1 DSO-1

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DAVENPORT,
IOWA

BUSINESS REPLY CARD

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2212 EAST TWELFTH STREET

DAVENPORT, IOWA 52803

